

Cynulliad Cenedlaethol Cymru Pwyllgor Amgylchedd a Chynaliadwyedd	National Assembly for Wales Environment and Sustainability Committee
Dyfodol Ynni Craffach i Gymru?	Smarter energy future for Wales?
Ymateb gan Tidal Lagoon Power (Saesneg yn unig)	Response from Tidal Lagoon Power
SEFW 22	SEFW 22



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National
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Wales



The Committee Clerk
Environment and Sustainability Committee
National Assembly for Wales
Cardiff Bay, CF99 1NA.

Sent by email to SeneddEnv@Assembly.Wales

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Consultation: A Smarter Energy Future for Wales

Tidal Lagoon Power aims to drive a critical change in the UK's energy mix by developing infrastructure to harness natural power from the abundant natural resource of the rise and fall of the tides.

We welcome this consultation as an opportunity to be involved with considerations on policy for a smarter energy future for Wales. Tidal lagoons could significantly contribute to a smarter energy future in Wales by generating secure and affordable low carbon energy while providing a diverse range of direct and integral economic, social and environment benefits. The Tidal Lagoon Swansea Bay project establishes a scalable blueprint for tidal lagoons, a proof-of-concept for a series of lagoons, marking the beginning of a new industry.

Our intention is to deliver a UK fleet of 6 tidal lagoons to deliver:

- Low carbon electricity - equivalent to 8% of UK electricity or 30% of UK homes, secured within a decade;
- Energy security - reliable, home-grown and near continuous power supply from proven technology, lasting 120 years;
- Affordable energy – the lowest generation cost of all electricity for the 85 years following the investment period (with a lower support cost than most low carbon electricity, with larger lagoons generating cheaper power).

There is the potential for 4 tidal lagoons to be in Wales.

How Wales is able to realise the potential of tidal lagoons and the associated industry is a matter we have been invited to address at inquiry by the Enterprise and Business Committee on 'Developing the Potential of the Maritime Economy for Wales'. The Environment and Sustainability Committee may wish to consider our forthcoming evidence to the Enterprise and Business Committee, and consider recommendations to improve co-ordination across policy areas such as economy, energy, and environment to facilitate and support timely delivery of infrastructure to achieve a smarter energy future for Wales.



Development of energy policy initiatives could help support the realisation of innovative energy-smart opportunities that tidal lagoons could deliver. Also, we are investigating how future tidal lagoons in Wales could contribute to energy smart businesses, towns and regions, through opportunities such as public and community investment and/or ownership, local energy supply options. We would encourage the Committee to consider options to identify and overcome barriers to public and community investment and/or ownership, and local energy supply options, without undermining the investment interest necessary to deliver strategic energy infrastructure.

Our main focus at this stage is to finalise the agreements necessary to start construction and to deliver the Tidal Lagoon Swansea Bay project. Nevertheless, we welcome the Committee's focus on energy policy in Wales in advance of the next Assembly. We want to continue to work with the Welsh Government and the National Assembly to progress the delivery of Tidal Lagoon Swansea Bay and future tidal lagoons in Wales, and to work together to understand and to realise the significant potential for tidal lagoons to contribute to a smarter energy future in Wales.

Please contact me at catrin.jones@tidallagoonpower.com or 07867129796 if you have any queries or wish to discuss further.

Yours sincerely

[Redacted signature]

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Tidal Lagoon Power